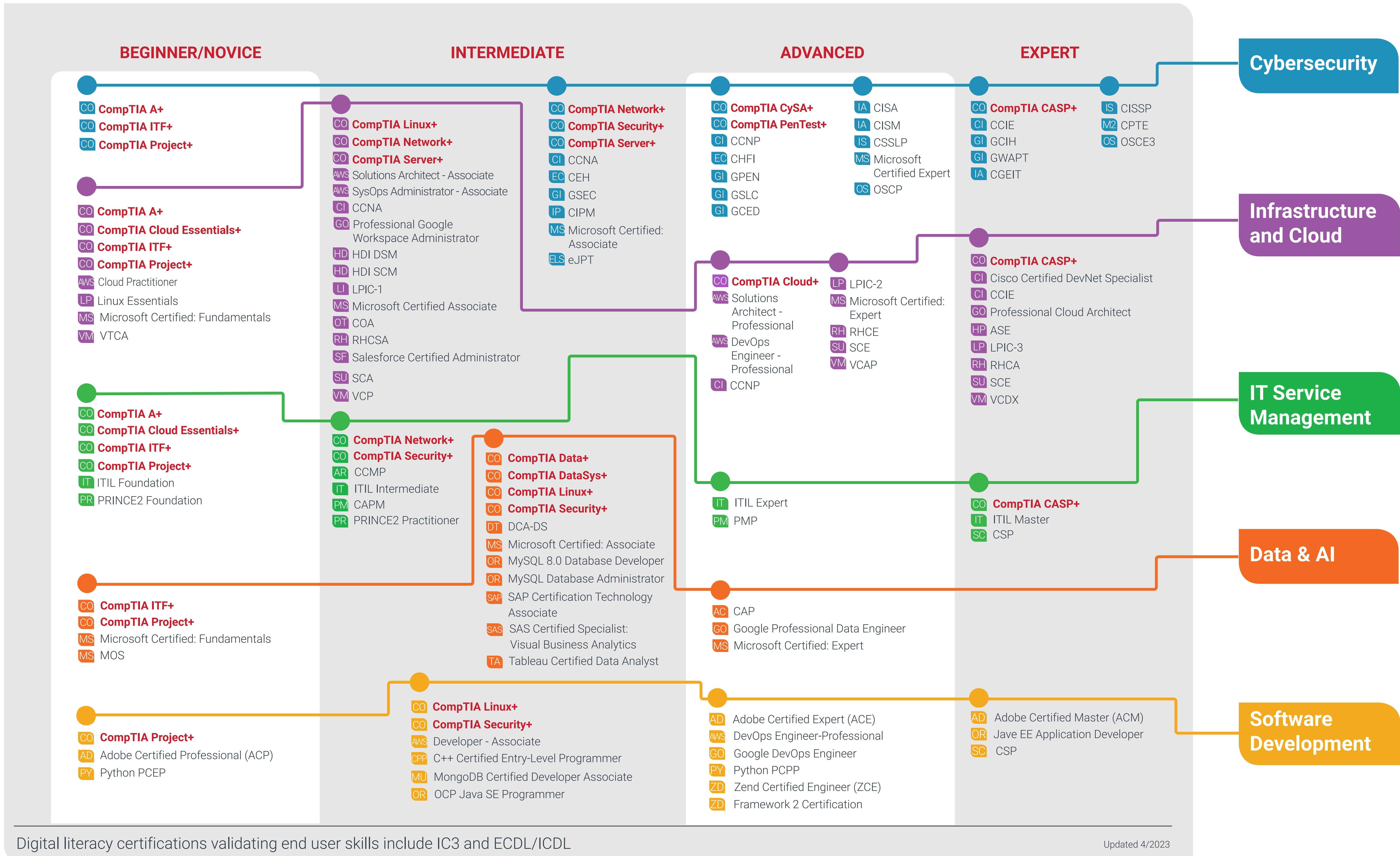


IT Certification Roadmap

Explore the possibilities with the CompTIA Interactive IT Roadmap at:
CompTIA.org/CertsRoadmap

CompTIA®

Certifications validate expertise in your chosen career.



*Microsoft provides three certification paths. Please visit Microsoft's webpage for a full list of their offerings: <https://bit.ly/3tJYm8Z>

CO CompTIA Certifications

BEGINNER/NOVICE
CompTIA A+
CompTIA Cloud Essentials+
CompTIA ITF+
CompTIA Project+
INTERMEDIATE
CompTIA Data+
CompTIA DataSys+
CompTIA Linux+
CompTIA Network+
CompTIA Security+
CompTIA Server+
ADVANCED
CompTIA Cloud+
CompTIA CySA+: Cybersecurity Analyst
CompTIA PenTest+
EXPERT
CompTIA CASP+: CompTIA Advanced Security Practitioner

AC Analytics Certification Board

ADVANCED
ACB: Certified Analytics Professional (CAP)

AD Adobe

BEGINNER/NOVICE
ACP: Adobe Certified Professional
ADVANCED
ACE: Adobe Certified Expert
EXPERT
ACM: Adobe Certified Master

AR Association of Change Management

INTERMEDIATE
CCMP: Certified Change Management Professional

AWS Amazon Web Services

BEGINNER/NOVICE
AWS: Cloud Practitioner
INTERMEDIATE
AWS: Certified Solutions Architect - Associate
AWS: Certified SysOps Administrator - Associate
AWS: Certified Developer - Associate
ADVANCED
AWS: Certified Solutions Architect - Professional
AWS: Certified DevOps Engineer - Professional

CI Cisco Systems

INTERMEDIATE
CCNA: Cisco Certified Network Associate

ADVANCED
CCNP: Cisco Certified Network Professional

EXPERT
CCDS: Cisco Certified DevNet Specialist
CCIE: Cisco Certified Internetwork Expert

CPP CPP Institute

INTERMEDIATE
CPP: C++ Certified Entry-Level Programmer

DT Dell Technologies

INTERMEDIATE
Dell Technologies Data Science Associate

EC EC Council

INTERMEDIATE
CEH: Certified Ethical Hacker
ADVANCED
CHFI: Computer Hacking Forensic Investigator

ELS eLearnSecurity

INTERMEDIATE
eJPT: eLearnSecurity Junior Penetration Tester

GI GIAC

INTERMEDIATE
GSEC: GIAC Security Essentials
ADVANCED
GCED: Certified Enterprise Defender
GPEN: GIAC Penetration Tester
GSLC: Security Leadership
GWAPT: GIAC Web Application Penetration Tester
EXPERT
GCIH: GIAC Certified Incident Handler

GO Google

INTERMEDIATE
GO: Professional Google Workspace Administrator
ADVANCED
GO: Google DevOps Engineer
GO: Google Professional Data Engineer
EXPERT
GO: Professional Cloud Architect

HDI HDI Global Certification

INTERMEDIATE
HDI DSM: HDI Desktop Support Manager
HDI SCM: HDI Support Center Manager

HP Hewlett-Packard

EXPERT
ASE: Accredited Systems Engineer

IP IAPP

INTERMEDIATE
CIPM: Certified Information Privacy Manager

IA ISACA

ADVANCED
CISA: Certified Information Systems Auditor
CISM: Certified Information Security Manager
EXPERT
CGEIT: Certified in the Governance of Enterprise IT

IS (ISC)²

ADVANCED
CSSLP: Certified Secure Software Lifecycle Professional
EXPERT
CISSP: Certified Information Systems Security Professional

IT ITIL

BEGINNER/NOVICE
ITIL Foundations
INTERMEDIATE
ITIL Intermediate
ADVANCED
ITIL Expert
EXPERT
ITIL Master

LP Linux Professional Institute

BEGINNER/NOVICE
Linux Essentials
INTERMEDIATE
LPIC-1
ADVANCED
LPIC-2
EXPERT
LPIC-3

M2 Mile2

EXPERT
CPTE: Certified Penetration Testing Engineer

MS MS Microsoft

BEGINNER/NOVICE
Microsoft Certified: Fundamentals
Microsoft Office Specialist
INTERMEDIATE
Microsoft Certified: Associate
ADVANCED
Microsoft Certified: Expert

MU MongoDB University

INTERMEDIATE
MongoDB Certified Developer Associate

OR Oracle

INTERMEDIATE
OCP: Java SE Programmer
EXPERT
OCPJAD: Java EE Application Developer

OS Offensive Security

ADVANCED
OSCP: Offensive Security Certified Professional
EXPERT
OSCE3: Offensive Security Certified Expert 3

OT OpenStack

INTERMEDIATE
COA: Certified OpenStack Administrator

PM PMI

INTERMEDIATE
CAPM: PMI Certified Associate in Project Management
ADVANCED
PMP: PMI Project Professional

PR PRINCE2

BEGINNER/NOVICE
PRINCE2 Foundation
INTERMEDIATE
PRINCE2 Practitioner

PY Python Institute

BEGINNER/NOVICE
Python PCEP
ADVANCED
Python PCPP

RH Red Hat

INTERMEDIATE
RHCSA: Red Hat Certified System Administrator
ADVANCED
RHCE: Red Hat Certified Engineer
EXPERT
RHCA: Red Hat Certified Architect

SAS SAS

INTERMEDIATE
SAS Certified Specialist: Visual Business Analytics

SC Scrum Alliance

EXPERT
CSP: Certified Scrum Professional

SF Salesforce

INTERMEDIATE
Salesforce Certified Administrator

SU SUSE

INTERMEDIATE
SCA: SUSE Certified Administrator
ADVANCED
SCE: SUSE Certified Engineer
EXPERT
SCE: SUSE Certified Engineer

TA Tableau

INTERMEDIATE
Tableau Certified Data Analyst

VM VMware

BEGINNER/NOVICE
VCTA: VMware Certified Technical Associate
INTERMEDIATE
VCP: VMware Certified Professional
ADVANCED
VCAP: VMware Certified Advanced Professional
EXPERT
VCDX: VMware Certified Design Expert

ZD Zend

ADVANCED
Zend Certified Engineer (ZCE)
Framework 2 Certification

Certification Criteria

CompTIA reviews developments in the IT certification landscape and adjusts the IT Certifications Roadmap as necessary.

To be included in the IT Certifications Roadmap, a certification must meet at least 60% (3 out of 5) of the following criteria.

- Acceptable Development Standards:** Developed based on processes established by a standards body. (For example: ISO/ANSI.)
- Training Industry Recognition:** Third-party training products are available to prepare individuals for the certification. (For example: books, ebooks, videos, bootcamps, practice tests)
- IT Industry Recognition – Media:** Cited in industry publications either online or in print. (For example: SC Magazine, PC World, and surveys from respected journals)
- IT Industry Recognition – Authority:** Cited by Subject Matter Experts in the IT industry. (For example: SMEs that work regularly with CompTIA, recognition from other certification bodies)
- Employer Recognition:** Cited in jobs ads and postings for positions in targeted job roles. Data should be available from an objective, third party organization (e.g., Burning Glass or Indeed.com).